

Recycling and Treatment of E-Waste

California's hazardous waste regulations define the word "treatment" very broadly, to mean any process which changes or is designed to change the composition of any hazardous waste or any component that makes up the hazardous waste.

In general, a person who conducts treatment on e-waste is subject to additional DTSC notification and reporting requirements. The following electronic waste handling activities, which are included in this very broad definition, do not trigger the additional requirements, although specific management requirements (section numbers are in parentheses) must be followed:

- Removal of user-replaceable components (Section 66273.71*)
- CRT removal from an electronic device (Section 66273.72(b)*)

DTSC must be notified of the following treatment activities to e-waste:

| Authorized Activities | Types of Activities | Type of waste | Description of treatment required in notification | Additional Information |
|-------------------------------------|---|--|---|--|
| Disassembling & Draining Activities | Dismantling electronic devices that are not CRT Devices (66273.72(c)) | Electronic devices | Yes | |
| | Removing Yokes from CRTs (66273.72(c)) | CRTs | Yes | |
| Treatment (Processing) Activities | physical treatment (66273.73(c)(1)(A)), | CRT glass | Yes | If hazardous residuals are generated, include with notification: Closure Plan, Cost of Closure, Financial responsibility for liability and Financial Assurance (66273.76). Treatment standards: containment and management of residuals, worker safety and zoning requirements (66273.75) Closure notification: Notify DTSC 30 days prior to closing (66273.77) |
| | physical separation (66273.73(c)(1)(B)), | electronic devices and CRTs | Yes | |
| | use of pinpoint torch or hot wire (66273.73(c)(1)(C)), sampling, burning, ball-milling (66273.73(c)(1)(D)) | Other residuals (i.e. residual printed circuit boards) | No | |

There are recordkeeping requirements for the authorized activities indicated in the table above which includes the following information (Section 66273.74(c)):

- a copy of the notice of intent to handle
- a copy of the most recent annual report
- a current copy of any local air district permit and/or other relevant permit required for the facility

It is imperative that electronic devices, CRTs, CRT glass, and hazardous waste residues are managed properly (Section 66273.33.5*)

* All section numbers are found in [Chapter 23 of Title 22 of the California Code of Regulations](#)